

## Recommended Semester Schedule for Students Matriculated in AY2015/2016

### OPTION 2

The recommended semester schedule for Semester 1 to Semester 8 for BEng (ISE) are shown below:

#### Semester 1

Module Title	MC
MA1505 Mathematics I	4
Basket of Engineering Science Modules	3/4
CS1010E Programming Methodology	4
ST1131 Introduction to Statistics+	4
GET1021 Critical Thinking and Writing/GER1000 Quantity Reasoning(QR)	4
<b>TOTAL</b>	<b>19/20</b>

+ Refer to Faculty of Science curriculum

#### Semester 2

Module Title	MC
MA1506 Mathematics II	4
IE2140 Engineering Economy	4
ST2131 Probability+	4
UEM/GE	4
GET1021 Critical Thinking and Writing/GER1000 Quantity Reasoning(QR)	4
<b>TOTAL</b>	<b>20</b>

\* Refer to Faculty of Science curriculum

#### Semester 3

Module Title	MC
IE2101 Introduction to Systems Thinking	4
IE2110 Operations Research I	4
CS1020E Data Structures and Algorithms#	4
ES2331 Communicating Engineering	4
GE/UEM	4
<b>TOTAL</b>	<b>20</b>

# Refer to School of Computing curriculum

#### Semester 4

Module Title	MC
IE2100 Probability Models with Applications	4
IE2130 Quality Engineering I	4
IE2150 Human Factors Engineering	4
GE/UEM	4
GE/UEM	4
<b>TOTAL</b>	<b>20</b>

### Semester 5

Module Title		MC
IE3101	Statistics for Engineering Applications	4
IE3110	Simulation	5
IE4xxx	ISE Electives Module 1	4
IE4xxx	ISE Electives Module 2	4
	GE/UEM	4
	GE/UEM	4
<b>TOTAL</b>		<b>25</b>

### Semester 6

Module Title		MC
EG3611	Industrial Attachment Program	12
<b>TOTAL</b>		<b>12</b>

Students taking EG3611 Industrial Attachment Program are allowed to take up to two(2) modules in the evening, subject to approval.

### Semester 7

Module Title		MC
IE3100M	Systems Design Project	6
IE4xxx	ISE Electives Module 3	4
IE4102	Independent Study Module	4
HR2002	Human Capital in Organizations	3
	GE/UEM	4
	GE/UEM	4
<b>TOTAL</b>		<b>25</b>

### Semester 8

Module Title		MC
IE3100M	Systems Design Project	6
IE4xxx	ISE Electives Module 4	4
IE4xxx	ISE Electives Module 5	4
IE4xxx	ISE Electives Module 6	4
EG2401	Engineering Professionalism	3
	GE/UEM	4
<b>TOTAL</b>		<b>25</b>

Please take note that with immediate effect GEP/Poly students who are matriculated on AY2014/2015 onwards is not required to do VIP but you have to take 6 more MCs from the free elective modules (e.g. UEMs, or Technical elective modules) to replace VIP.